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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/630,304	07/31/2000	Gregory Donald Troxel	99-460	5522
32127	7590	02/25/2004		
VERIZON CORPORATE SERVICES GROUP INC. C/O CHRISTIAN R. ANDERSEN 600 HIDDEN RIDGE DRIVE MAILCODE HQEO3H14 IRVING, TX 75038			EXAMINER NGUYEN, VAN KIM T	
			ART UNIT 2661	PAPER NUMBER 6

DATE MAILED: 02/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/630,304

Applicant(s)

TROXEL ET AL.

Examiner

Van Kim T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 July 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 46 is/are allowed.
- 6) ☒ Claim(s) 1, 13, 33, 34, 39 and 40 is/are rejected.
- 7) ☒ Claim(s) 2-12, 14-32, 35-38, and 41-45 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

This Office Action is responsive to communications filed on July 31, 2000.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 13, and 33 are rejected under 35 U.S.C. 102(e) as being anticipated by Tsukakoshi et al (US 6,577,634).

As shown in Figures 1-18, Tsukakoshi discloses a method for predictive routing of packets by a node in a network having a plurality of nodes, comprising: receiving messages (step 201, 241) from advertising nodes (12, 14, 15) in the network (11), at least one of the messages containing a prediction (updated information) regarding a future event that may happen to an entity associated with a corresponding advertising node; extracting the prediction (received information) from the received message; determining an active state of the entity (matches the network) based on the prediction; generating a routing table (update routing information) using the active state of the entity; and routing packets through the network using the routing table (cols. 7: line 5 – col. 10: line 65).

Claims 34, 39, and 40 are rejected under 35 U.S.C. 102(e) as being anticipated by Thomas et al (US 6,665,271).

As shown in Figures 1-8, Thomas discloses a method for generating prediction messages comprising: generating predictions relating to at least one entity associated with the node (col. 5: line 12 – col. 12: line 58); encoding the predictions into one or more prediction messages (col. 12: lines 59-67), and flooding the prediction messages on the network (providing result to user; col. 5: lines 5-11, and 29-31).

Allowable Subject Matter

Claim 46 is allowed.

Claims 2-12, 14-32, 35-38, and 41-45 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is an examiner's statement of reasons for allowance:

Claims are considered allowable when reading the claims none of the references of record alone or in combination, in light of the specification, disclose or suggest the combination limitations specified in the independent claims, including: converting each of the prediction into at least one of a node prediction piece, an interface prediction piece, and a peer prediction piece, the node prediction piece specifying one or more future events that may occur to the node, the interface piece specifying one or more future events that may occur to an interface associated with the node, and the peer prediction piece specifying one or more future events that may occur to a relationship between the node and at least one other node; and creating each of the prediction message from one or more of the node prediction piece, the interface prediction piece, and the peer prediction piece.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

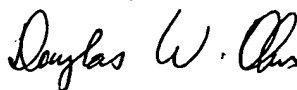
Krishnan et al (US 6,621,798); Cain (US 6,606,325); Rekhter (US 6,597,663); Hahne et al (US 6,538,416); Nakamura et al (US 6,553,031); Hsu (US 6,363,319); Zhang (US 6,252,856); Fukushima et al (US 6,049,524); Crawley et al (US 5,995,503).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Van Kim T. Nguyen whose telephone number is 703-305-7692. The examiner can normally be reached on 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Olms can be reached on 703-305-4703. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

vkn



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